

#13  
1-12-04



Attorney Docket No. VTI013A (OLD)  
IMMR-057/00US (NEW)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: James F. KRAMER, et al.

Serial No.: 09/837,860

Examiner: Unassigned

Confirmation No.: 7509

Art Unit: Unassigned

Filed: April 17, 2001

For: INTERFACE FOR CONTROLLING A GRAPHICAL IMAGE

Commissioner for Patents  
Washington, D.C. 20231

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MAR 18 2003

**REVOCATION AND NEW POWER BY ASSIGNEE  
AND STATEMENT UNDER 37 C.F.R. §3.73(b)**

Technology Center 2600

The Assignee (Immersion Corporation) of the entire right, title, and interest in the above-identified application hereby revokes all previously granted powers and grants the registered practitioners of Cooley Godward LLP included in Customer Number (1), and the registered practitioners of Immersion Corporation included in Customer Number (2) provided below, power to act, prosecute, and transact all business in the U.S. Patent and Trademark Office in connection with this application, any applications claiming priority to this application, and any patents issuing therefrom.

The Assignee certifies that to the best of its knowledge and belief it is the owner of the entire right, title, and interest in and to the above-identified application as evidenced by:

- ☒ [x] Assignment documents, copies of which are enclosed herewith;
- ☐ [ ] An assignment previously recorded in the U.S. Patent and Trademark Office at Reel/Frame \_\_\_\_\_.

Please change the attorney docket number of the above application to:

**IMMR-057/00US**

Please direct all telephone calls and correspondence to:

Cooley Godward LLP  
ATTN: Patent Group  
11951 Freedom Drive  
One Freedom Square-Reston Town Center  
Reston, VA 20190-5656  
Telephone: (703) 456-8000  
Facsimile: (703) 456-8100

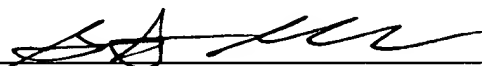
CUSTOMER NUMBER (1): 22903

CUSTOMER NUMBER (2): 34300

Pursuant to 37 CFR § 3.73(b)(2)(i), the undersigned is authorized to act on behalf of the assignee.

Date: 3/13/2003

Signature: \_\_\_\_\_

  
Stuart D. Smolen  
Director of Intellectual Property  
Immersion Corporation

## ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas Virtual Technologies, Inc., a California corporation with a place of business at 801 Fox Lane, San Jose, CA 95131-1601, owns all right, title and interest to certain new and useful improvements for which have been executed applications for United States Letters Patents as set forth in the patents and patent applications listed in the attached APPENDIX A.

The undersigned duly authorized representative of Virtual Technologies, Inc. hereby:

- 1) Sell(s), assign(s) and transfer(s) to Immersion Corporation, a Delaware corporation having a place of business at 801 Fox Lane, San Jose, CA 95131, (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the patents and patent applications listed in the attached APPENDIX A.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said applications or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications and patents, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications and patents.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that Virtual Technologies, Inc. has not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Virtual Technologies, Inc.

Victor Viegas  
Signature

Victor Viegas  
Printed Name

Chief Financial Officer  
Title

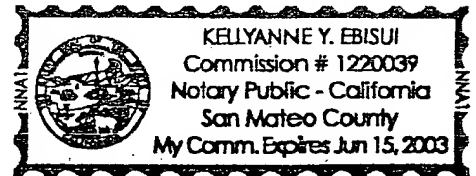
August 19, 2002  
Date

State of California )  
County of Santa Clara )  
\_\_\_\_\_ )

On this 19<sup>th</sup> day of August, in the year 2002, before me, Kellyanne Y. Ebusui,  
Notary Public, personally appeared Victor Viegas, ~~personally known to me or~~ proved to me on  
the basis of satisfactory evidence to be the person whose name is subscribed to the within  
instrument, and acknowledged to me that he/she executed the same in his/her authorized  
capacity(ies), and that by his/her signature on the instrument the person, or the entity/ies upon  
behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kellyanne Y. Ebusui



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APPENDIX A

| Title  | Application/Patent No. | Filing/Issue Date |
|--|------------------------|-------------------|
| Force Feedback and Textures Simulating   | 5,184,319              | February 2, 1993  |
| Force Feedback and Textures Simulating   | 07/929,895             | August 10, 1992   |
| Force Feedback and Textures Simulating   | 5,631,861              | May 20, 1997      |
| Force Feedback and Textures Simulating   | 6,059,506              | May 9, 2000       |
| Force Feedback and Textures Simulating   | 09/439,766             | November 15, 1999 |
| Determination of Kinematically Constrained Multi-Articulated Structures        | 07/909,570             | July 6, 1992      |
| Determination of Kinematically Constrained Multi-Articulated Structures        | 5,676,157              | October 14, 1997  |
| Determination of Kinematically Constrained Multi-Articulated Structures        | 6,162,190              | December 19, 2000 |
| Determination of Kinematically Constrained Multi-Articulated Structures        | 09/730,056             | December 5, 2000  |
| Determination of Thumb Position Using Measurements of Abduction and Rotation   | 5,482,056              | January 9, 1996   |
| Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies | 5,592,401              | January 7, 1997   |
| Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies | 5,930,741              | July 27, 1999     |
| Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies | 6,148,280              | November 14, 2000 |
| Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies | 09/712,046             | November 13, 2000 |
| Forearm-Supported Exoskeletal Hand-Tracking Device                             | 6,104,379              | August 15, 2000   |

|  |            |                    |
|--|------------|--------------------|
| Forearm-Supported Exoskeletal Hand-Tracking Device   | 09/565,907 | May 5, 2000        |
| Goniometer-Based Body-Tracking Device and Method   | 6,050,962  | April 18, 2000     |
| Goniometer-Based Body-Tracking Device and Method   | 6,428,490  | August 6, 2002     |
| Force-Feedback Interface Device for the Hand   | 6,042,555  | March 28, 2000     |
| Force-Feedback Interface Device for the Hand   | 6,413,229  | July 2, 2002       |
| Exoskeleton Device for Directly Measuring Fingertip Position and Inferring Finger Joint Angle    | 6,110,130  | August 29, 2002    |
| Exoskeleton Device for Directly Measuring Fingertip Position and Inferring Finger Joint Angle    | 09/565,730 | May 5, 2000        |
| System and Method for Constraining a Graphical Hand from Penetrating Simulated Graphical Objects | 09/432,362 | November 3, 1999   |
| System, Method and Data Structure for Simulated Interaction with Graphical Objects               | 09/675,811 | September 29, 2000 |
| Interface for Controlling a Graphical Image  | 09/837,860 | April 17, 2001     |
| Real Time Determination of Simulated Interactions for Large Systems                              | 09/912,434 | July 24, 2001      |
| Position Sensor with Resistive Element   | 09/894,985 | June 27, 2001      |

# ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

## INTERFACE FOR CONTROLLING GRAPHICAL IMAGE

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on April 17, 2001, and which bears the Application No. 09/837,860.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Virtual Technologies, Inc., a corporation of the state of California, having a place of business at 801 Fox Lane, San Jose, California 95131, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner for Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- |    |                                   |                      |
|----|-----------------------------------|----------------------|
| 1) | Signature: <u>James F. Kramer</u> | Date: <u>9/12/01</u> |
|    | Typed Name: James F. Kramer       |                      |
| 2) | Signature: _____                  | Date: _____          |
|    | Typed Name: Felix Maier           |                      |
| 3) | Signature: _____                  | Date: _____          |
|    | Typed Name: Laurence Kuo          |                      |

ASSIGNMENT OF PATENT APPLICATION  
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Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: \_\_\_\_\_  
Typed Name: James F. Kramer

Date: \_\_\_\_\_

2) Signature: Felix Maier  
Typed Name: Felix Maier

Date: 30.8.2001

3) Signature: \_\_\_\_\_  
Typed Name: Laurence Kuo

Date: \_\_\_\_\_



# ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

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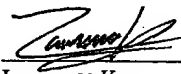
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- 1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: James F. Kramer
- 2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Felix Maier
- 3) Signature:  \_\_\_\_\_ Date: Aug. 31, 2001  
Typed Name: Laurence Kuo  
LAWRENCE